

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended): A system for efficient recovery of Node B buffered data, the system including a radio network controller (RNC) associated with at least one Node B, said at least Node B being further associated with at least one User Equipment (UE) having at least one reordering buffer for buffering Packet Data Units (PDUs) sent from the RNC, the system comprising:

the RNC for generating a medium access control (MAC) layer reset notification;

a control unit within said UE for receiving said notification and for flushing said at least one reordering buffer upon receipt of the MAC layer reset notification;

a status ~~means~~ determination unit within said UE for determining, subsequent to the flushing of said reordering buffer, the status of PDUs received by the UE, and for generating a status report based upon said determination; and

a transmitter ~~transmission means~~ for transmitting said status report to said RNC.

2. (currently amended): The system of claim 1, wherein the status ~~means~~ determination unit performs said determination in response to a control signal which indicates that the reordering buffer has been flushed of all PDUs.

3. (currently amended): The system of claim 2, wherein said control signal is an end-of-PDU indication which is generated when all of the PDUs in the reordering buffer have been flushed.

4. (currently amended): The system of claim 2, wherein ~~the~~ a last PDU in the reordering buffer is unique, and said control signal comprises the last PDU.

5. (currently amended): The system of claim 2, wherein ~~the~~ a last PDU in the reordering buffer includes a special indicator, and said control signal comprises said special indicator.

6. (original): The system of claim 2, wherein the control unit generates said control signal when the reordering buffer has been flushed of all PDUs.

7. (original): The system of claim 1, whereby the RNC halts data transmissions upon generation of the MAC layer reset notification.

8. (original): The system of claim 7, whereby the RNC restarts data transmissions upon receipt of said status report.

9. (original): The system of claim 7, whereby the RNC restarts data transmissions upon receipt of a predetermined trigger.

10. (original): The system of claim 9, whereby said predetermined trigger is the receipt of said status report.

11. (original): The system of claim 9, whereby the UE generates an in-sync indication and said predetermined trigger is the receipt of said in-sync indication.

12. (currently amended): A method for high speed-downlink shared channel (HS-DSCH) cell change in a system having a remote network controller (RNC) coupled to at least one Node B, which is further coupled to at least one User Equipment (UE) having at least one reordering buffer for buffering Packet Data Units (PDUs) sent from the RNC, the method comprising:

detecting at the RNC the need for an HS-DSCH cell change;

notifying the UE to perform a medium access control (MAC) layer reset;

resetting a MAC layer entity, at said UE, upon receipt of a notice for the MAC layer reset including flushing of said at least one reordering buffer;

determining, subsequent to the resetting step, the status of PDUs received at the UE;

generating a status report based upon said determination; and

transmitting from the UE to the RNC said status report

13. (original): The method of claim 12, wherein said determining step is performed in response to a control signal which indicates that said at least one reordering buffer has been flushed of all PDUs.

14. (original): The method of claim 13, wherein said control signal is an end-of-PDU indication which is generated when all of the PDUs in said at least one reordering buffer have been flushed.

15. (currently amended): The method of claim 13, wherein ~~the~~ a last PDU in said at least one reordering buffer is unique, and said control signal comprises the last PDU.

16. (currently amended): The method of claim 13, wherein ~~the~~ a last PDU in said at least one reordering buffer includes a special indicator, and said control signal comprises said special indicator.

17. (original): The method of claim 13, further including generating said control signal when the reordering buffer has been flushed of all PDUs.

18. (original): The method of claim 12, further including halting data transmissions upon said detection.

19. (original): The method of claim 18, further including restarting data transmissions upon receipt of said status report.

20. (original): The method of claim 18, further including restarting data transmissions upon receipt of a predetermined trigger.

21. (original): The method of claim 20, whereby said predetermined trigger is the receipt of said status report.

22. (original): The method of claim 20, further including generating at the UE an in-sync indication and said predetermined trigger is the receipt of said in-sync indication.

23. (currently amended): A User Equipment (UE) which facilitates high speed-downlink shared channel (HS-DSCH) cell change from a source cell to a target cell, the UE including at least one reordering buffer for buffering Packet Data Units (PDUs) received by the UE, the UE comprising:

~~means~~ a control unit for detecting a medium access control (MAC) layer reset indication and for flushing said at least one reordering buffer in response to said MAC layer reset indication;

a status ~~means~~ determination unit for determining, subsequent to flushing of said reordering buffer, the status of data received by the UE;

a status report generator ~~means~~ for generating a status report based upon said determination; and

a transmitter ~~means~~ for transmitting said data status report.

24. (currently amended): The UE of claim 23, wherein the status ~~means~~ determination unit performs said determination in response to a control signal which indicates that the reordering buffer has been flushed of all PDUs.

25. (original): The UE of claim 24, wherein said control signal is an end-of-PDU indication which is generated when all of the PDUs in the reordering buffer have been flushed.

26. (currently amended): The UE of claim 24, wherein ~~the~~ a last PDU in the reordering buffer is unique, and said control signal comprises the last PDU.

27. (currently amended): The UE of claim 24, wherein ~~the~~ a last PDU in the reordering buffer includes a special indicator, and said control signal comprises said special indicator.